

LOCKHEED AIRCRAFT CORP.		ENGINEERING STUDY <input checked="" type="checkbox"/>		LAC - 69 *	
		CHANGE PROPOSAL <input checked="" type="checkbox"/>			
DATE 2-17-60		AFFECTS : WSPO <input type="checkbox"/>		PROJECT <input checked="" type="checkbox"/>	
NAME OF MAJOR COMPONENT FACE PIECE ASSEM.		PART OR LOWEST SUBASSEMBLY FLEX. HOSE ASSEM.		PART NO. & MODEL OR TYPE Q-237	
TITLE OF PROPOSAL : FACE PIECE HOSE AND ELECTRIC WIRING ASSEM. - REPLACEMENT					
NATURE OF PROPOSAL : <u>SEE PAGE 2</u> * THIS CHANGE PROPOSAL CANCELS AND REPLACES LAC-40 FOR CUSTOMER 1 ONLY. (LAC-40 NOW APPLIES TO CUSTOMER NO. 2 ONLY)					
REASON FOR PROPOSAL : A hazard exists upon ejection if the emergency face heat wires are connected to the face piece. This could cause the pilot's head to be pulled downward until the emergency face heat wires break or pull away from the face piece. It is possible that, when the emergency face heat wires come loose from the face piece on ejection, the attaching studs may be loosened or withdrawn from the face piece causing an oxygen leak.					
ES		ESTIMATED COST AND TIME INVOLVED : Approx. \$500.00 (WAS \$250.00 on ECP 40) ADDITIONAL FUNDING REQUIRED : None (SP-1918)			
CP		ESTIMATED COST FOR KITS OR PARTS : Approx. \$260.00 per Kit ADDITIONAL FUNDING REQUIRED : SP-1917 (None)			
ITEMS AFFECTED BY PROPOSAL :					
SAFETY <input checked="" type="checkbox"/>	MISSION EFFEC- TIVENESS <input type="checkbox"/>	PERFORM- ANCE <input type="checkbox"/>	OPERATING PROCEDURE <input type="checkbox"/>	INTER- CHANGE- ABILITY <input type="checkbox"/>	WEIGHT OR WEIGHT & BALANCE <input type="checkbox"/>
TOOLS & SUPPORT EQUIPMENT <input type="checkbox"/>	MAINTENANCE PROCEDURE <input type="checkbox"/>	SERVICE LIFE <input type="checkbox"/>	FLIGHT MANUAL <input checked="" type="checkbox"/>	MAINTENANCE MANUAL <input checked="" type="checkbox"/>	
EST. MAN/HRS. REQ'D. TO ACCOMPLISH CHANGE IN FIELD 8 Hrs./Ship					
SOURCE OF PARTS FOR KIT L.A.C.			AVAILABILITY 10 WEEKS AFTER APPROVAL		
DISPOSITION OF SPARES AFFECTED Q-237 HOSE ASSEMBLY - Obsolete					
INITIATED BY : L.A.C.			APPROVED : WSPO PROJECT		

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NATURE OF PROPOSAL:

- (Study) 1. Design and develop a new face piece hose and wiring assembly which contains all the wires (9) that are required for the face piece. The normal heat wires will have removable connections at the face piece so that emergency face heat may be used independent of the normal circuit which may be shorted. The emergency face heat will be controlled by the existing manual circuit breaker.
2. Procure and evaluate prototype face piece hose and wiring assembly.

(Change Proposal) SEE FIG. 1 ATTACHED

1. Provide a new face piece hose and wiring assembly which includes all required face piece wiring and has a single nine pin connector.
2. Provide a breakaway electrical connector on the side of the seat that will separate on ejection without putting a load on the face piece wires.
3. Revise aircraft circuitry to accommodate 1 and 2 above.
4. Remove all wiring to and within the Q-207 seat pack.
5. Provide wiring harness adapters that adapt the A13A mask to the system described above.

6. Provide a wiring adapter that will adapt the "old style" face piece wiring to an airplane that has had the circuitry and electrical disconnect installed.
7. Prepare and issue Service Bulletins and fabricate appropriate aircraft provisioning kits.

NOTE:-

1. This change is compatible with the Q-270 seat pack.
2. It is not proposed to supply a wiring adapter that will adapt the new face piece wiring to an unmodified airplane, as it is felt that the airplanes will be modified before the new face piece hose and wiring is available.
3. The communications receptacle on the face piece hose will be moved to the lower end in order to use up some of the slack in the communication wires between the receptacle and the helmet.

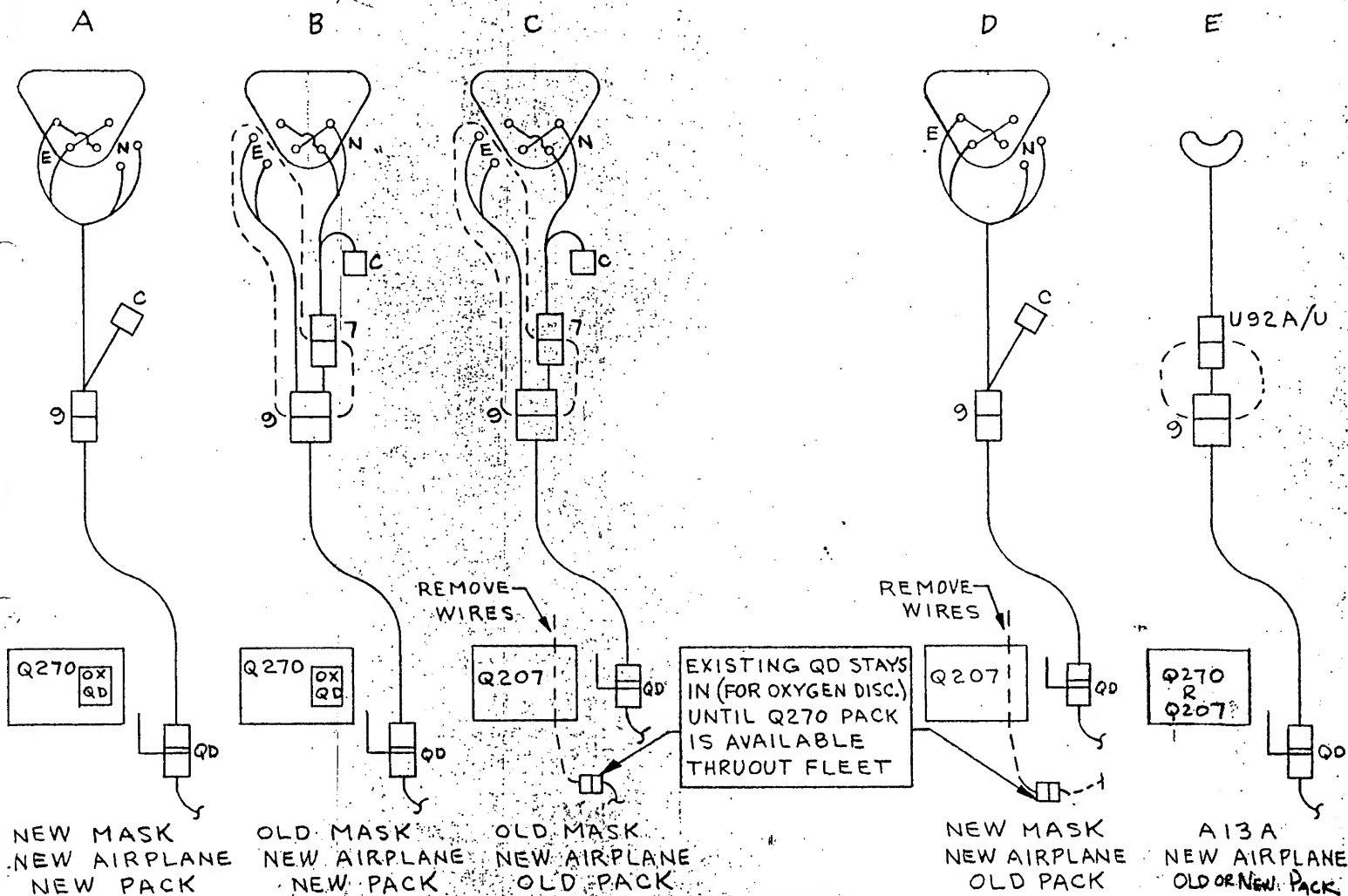
NEW HOSES FOR FACE PLATES (See Page 5 for Drawing)

FIG. A & D New Hose \$51.95 ea.

FIG. B & C New Hose \$21.10 ea.

FIG. E Connector (9 point) 1 Req.)
Plug (Note for U174/U) 1 Req.) Approx. \$20.00
Wiring -)

*See Amendment attached
Revision "A"*



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